

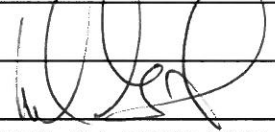


<h1 style="margin:0;">APICAL</h1> <p style="margin:0;">INDUSTRIES, INC.</p>		ENGINEERING CHANGE NOTICE NO. 03218					SHEET 1 OF 3		
		DWG NO. 647.2600		REV: N/C		PREPARED BY R. ROSANO	DATE: 10/24/11		EFFECT ON DWG <input type="checkbox"/> INC. <input checked="" type="checkbox"/> UNINC.
		DWG TITLE: 407 CABLE CUTTER KIT							
		APPROVED BY:	ENGR 	MFG 	QC 	EFF: CURRENT ORDER			
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: ADDED TO AND REVISED BOM, REVISED CALLOUTS IN DRAWING VIEWS, ADDED DELTA NOTE 4 & 5, REVISED DELTA NOTE 1, ADDED DETAIL F, ADDED SHEET 4							
60	A	601.3447	1	1	TERMINAL	MS25036-109	△ 5		
59	A	601.3071	2	2	RIVET	CR3213-4-9			
52	R	600.1012	1	1	SEALANT		△ 2		
51	R	601.2045	1	1	RTV		△ 1		
45	D	601.2638	2	2	WASHER	NAS1149F0432P			
43	R	601.2764	30	30	WASHER	NAS1149FN832P			
37	R	601.3446	1	1	RIVET	CR3242-4-4			
35	D	601.2991	10	10	RIVET	CR3213-4-6			
34	R	601.0790	38	38	RIVET	CR3213-4-3			
32	R	601.1183	16	16	RIVET	CR3213-4-5			
28	R	601.3000	2	2	SCREW	MS27039-0806			
27	R	601.1621	4	4	SCREW	MS27039-1-08			
26	R	601.1953	7	7	SCREW	MS27039-1-12			
23	R	601.3153	2	2	SCREW	MS24694S8			
20	R	601.2823	2	2	BOLT	AN3-4A			
1	R	648.7801	2	2	GROUNDING CABLE ASSY		△ 5		
F/N	TC	PART NUMBER	.2602 .2601 QTY		DESCRIPTION	MATERIAL	SPECIFICATION		
DOCUMENTS EFFECTED:					<input type="checkbox"/> MDL <input checked="" type="checkbox"/> INSTALL INSTRUC <input checked="" type="checkbox"/> ICA <input checked="" type="checkbox"/> BOM		CHANGE CATEGORY <input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR		
							DER REVIEW REQUIRED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		

1 AFTER INSTALLATION, APPLY E/N 51 TO FILL GAPS AND FILLET EDGES.
PRIME (AW MIL-PRF-23377) TYPE 1 CLASS N EPOXY PAINT CARDINAL 7125+E10192
OR EQUIVALENT PRIMER PRIOR TO PAINT.

2. APPLY F/N 52 TO ALL FAYING SURFACES.

3 AT CUSTOMERS OPTION INSTALL F/N 55 BY MATCH DRILLING
 INTO F/N 12, 18, OR 19.

4 EQUALLY SPACED ALONG THIS LENGTH.

5 CUT WIRE TO NECESSARY LENGTH AND SWAGE
F/N 60 TO OPEN END.

1 2 3 4 5 6 7

REF 55

DETAIL C

TYPICAL GPS MOUNT INSTALLATION

DETAIL F

DETAIL A ISOMETRIC VIEW

APICAL INDUSTRIES
3000 Worldway Drive
Covina, CA 91724-5000
407 CABLE CUTTER KIT
647.2800

The drawing is a technical isometric view of the 407 Cable Cutter Kit. It features a main assembly with various components labeled with callouts: 1, 2, 3, 4, 6, 7, 10, 11, 12, 13, 17, 20, 21, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60. Detail C shows a typical GPS mount installation with callouts 12, 17, 20, 21, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60. Detail F shows a cable cutter with callouts 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60. The drawing includes a title block with the company name, address, phone number, and part number.

Technical drawing of a car door hinge assembly. The drawing shows a side view of a car door and its hinge mechanism. Two callouts are present: 'DETAIL A' points to the upper hinge area, and 'DETAIL B' points to the lower hinge area. Both callouts are accompanied by a square symbol containing a diagonal line and the letter 'E'.

F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL	SPECIFICATION

SECTION E-E
PARTS HIDDEN FOR CLARITY
RIVET LAYOUT

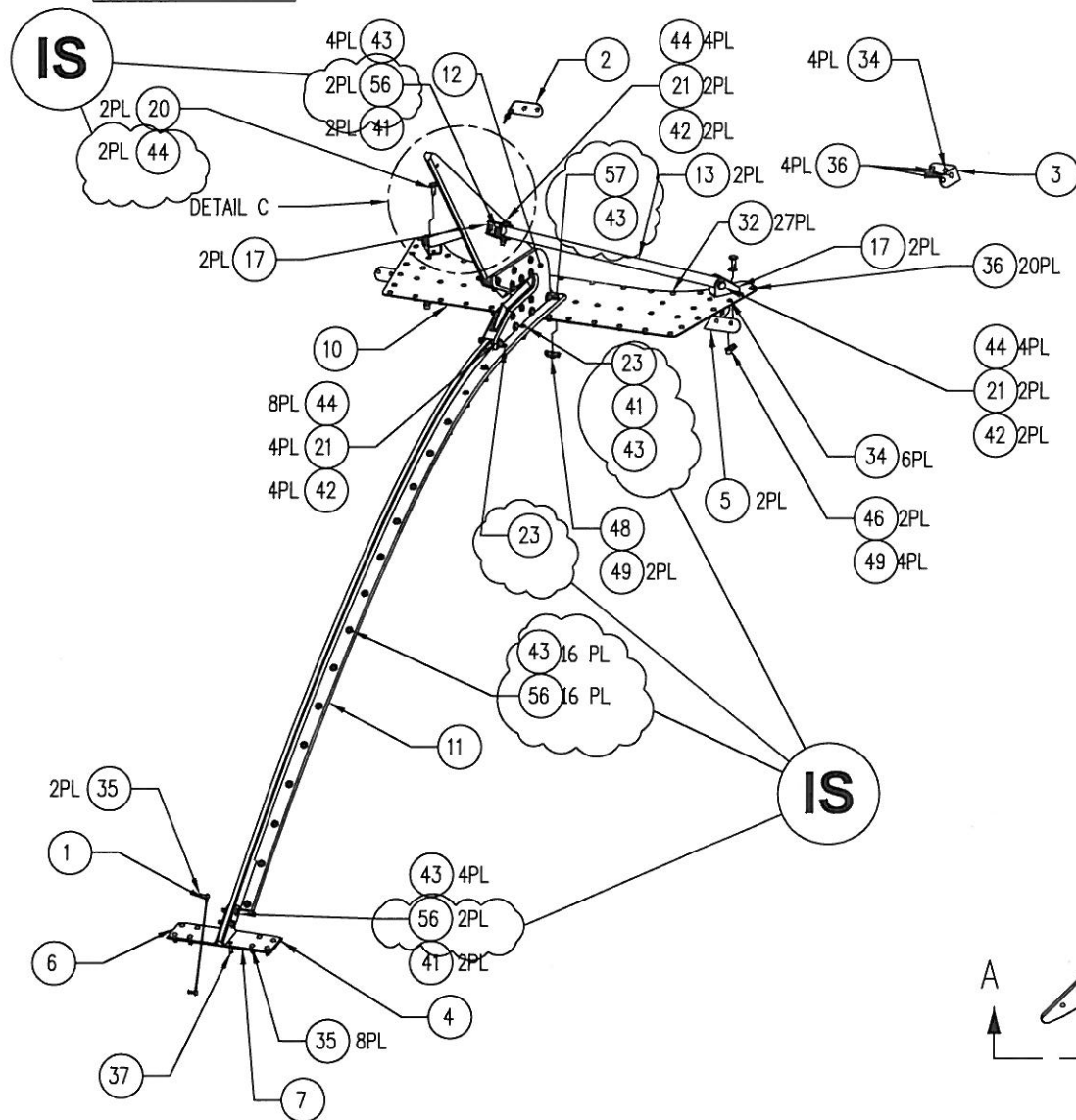
QTY	PART NO.	DESCRIPTION
1	407	CABLE CUTTER KIT
1	647.2600	
1	1.000	
1	1.000	

F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL	SPECIFICATION

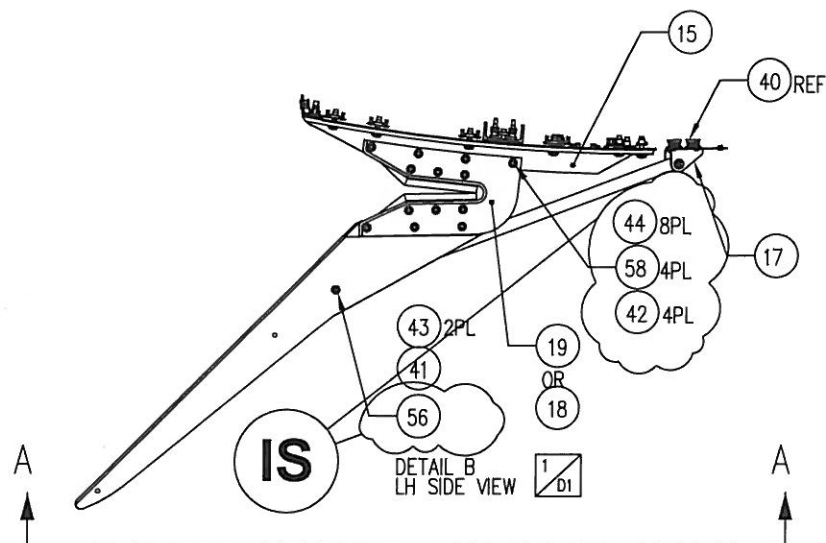
<h1 style="margin:0;">APICAL</h1> <p style="margin:0;">INDUSTRIES, INC.</p>	ENGINEERING CHANGE NOTICE NO. 03090				SHEET 1 OF 2		
	DWG NO. 647.2600		REV: N/C		PREPARED BY R. ROSANO		
	DATE: 04/28/11						
	EFFECT ON DWG <input type="checkbox"/> INC. <input checked="" type="checkbox"/> UNINC.						
DWG TITLE: 407 CABLE CUTTER KIT							
APPROVED BY:		ENGR		MFG		QC	
		EFF: CURRENT ORDER					
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: ADDED TO AND REVISED BOM, REVISED CALLOUTS IN DRAWING VIEWS					

58	A	601.1948	4	4	SCREW	MS27039-1-19	
57	A	601.2893	1	1	SCREW	MS27039-0811	
56	A	601.2988	21	21	SCREW	MS27039-0813	
44	R	601.1607	46	46	WASHER	NAS1149F0332P	
43	R	601.2764	36	36	WASHER	NAS1149FN832P	
42	R	601.2943	14	14	LOCKNUT	MS21042-3	
41	R	601.2973	10	10	LOCKNUT	MS21042-08	
38	R	601.3305	4	4	HI-LOK PIN	HL19PB-5-4	
24	D	601.2765	26	26	SCREW	MS27039-0819	
1	R	648.7801	2	2	GROUNDING CABLE ASSY		
F/N	TC	PART NUMBER	.2602	.2601	DESCRIPTION	MATERIAL	SPECIFICATION
			QTY				
DOCUMENTS EFFECTED:						CHANGE CATEGORY	DER REVIEW REQUIRED
<input type="checkbox"/> MDL <input checked="" type="checkbox"/> INSTALL INSTRUC <input checked="" type="checkbox"/> ICA <input checked="" type="checkbox"/> BOM						<input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

SHEET 2 IS:



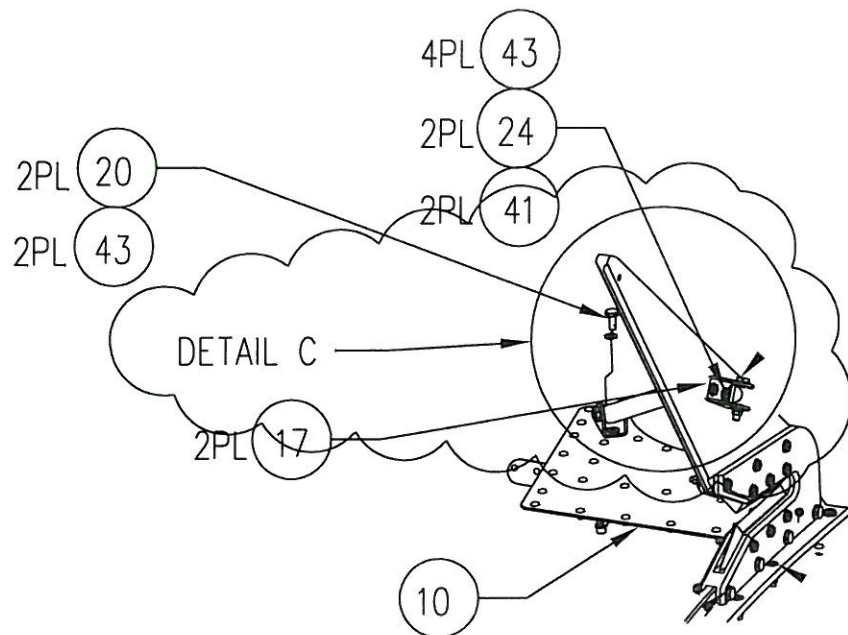
SHEET 3, ZONE D3 IS:



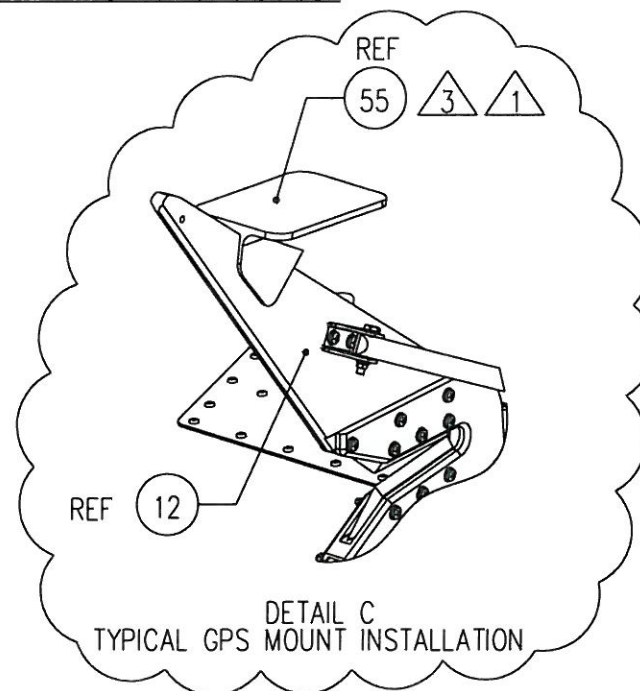
F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL	SPECIFICATION
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<h1 style="margin: 0;">APICAL</h1> <p style="margin: 0;">INDUSTRIES, INC.</p>	ENGINEERING CHANGE NOTICE NO. 03049				SHEET 1 OF 1	
	DWG NO. 647.2600	REV: N/C	PREPARED BY J. JACKSON	DATE: 01/25/11	EFFECT ON DWG <input type="checkbox"/> INC. <input checked="" type="checkbox"/> UNINC.	
	DWG TITLE: 407 CABLE CUTTERS KIT					
APPROVED BY: ENGR. <i>[Signature]</i>		MFG <i>[Signature]</i>		QC <i>[Signature]</i>	EFF: NEXT ORDER	
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: REVISED DRAWING VIEWS.				

SHEET 2, ZONE A4 IS:



SHEET 2, ZONE B2 IS:



F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL	SPECIFICATION
		.2602	.2601			
DOCUMENTS EFFECTED:				<input type="checkbox"/> MDL <input type="checkbox"/> INSTALL INSTRUC <input type="checkbox"/> ICA <input type="checkbox"/> BOM	CHANGE CATEGORY <input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR	DER REVIEW REQUIRED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

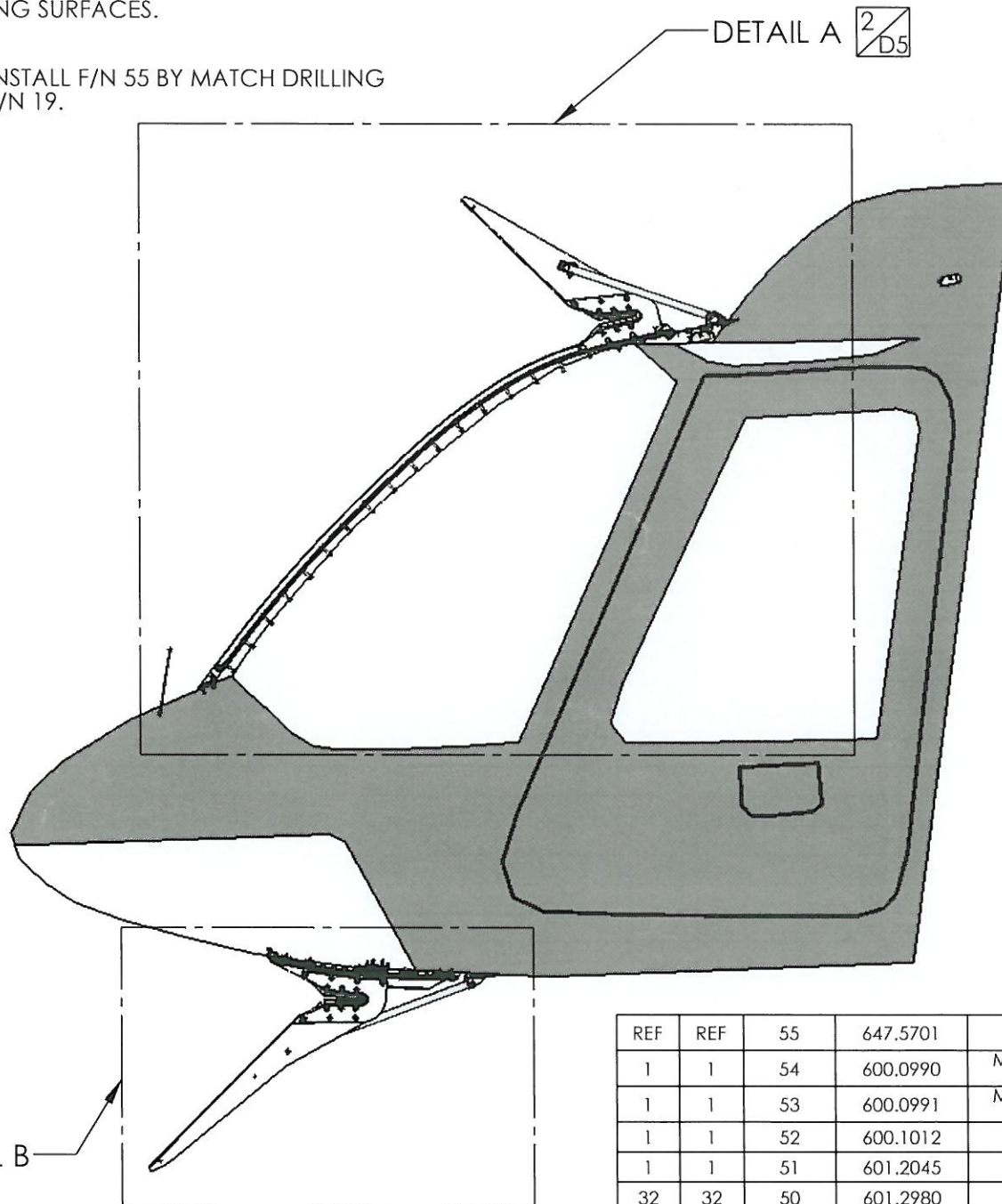
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NOTES:

- 1 AFTER INSTALLATION, APPLY F/N 51 TO FILL GAPS AND FILLET EDGES
- 2 APPLY F/N 52 TO ALL FAYING SURFACES.
- 3 AT CUSTOMERS OPTION, INSTALL F/N 55 BY MATCH DRILLING ONTO F/N 12, F/N 18 OR F/N 19.

UNINCORPORATED ECN(S)

03049, 03090, 03218,



3
D3

DETAIL B

647.2601 SHOWN
647.2602 TYP

REF	REF	55	647.5701	GPS MOUNT KIT		3
1	1	54	600.0990	MAGNOBOND 6398 PART A		
1	1	53	600.0991	MAGNOBOND 6398 PART B		
1	1	52	600.1012	SEALANT		
1	1	51	601.2045	RTV		
32	32	50	601.2980	NUTPLATE RIVET	CCR264SS-3-04	
6	6	49	601.2207	NUTPLATE RIVET	CCR264SS-3-03	
1	1	48	601.2356	NUTPLATE	MS21059L08	
10	10	47	601.1900	NUTPLATE	MS21059-3	
8	8	46	601.2957	NUTPLATE	MS21071L3	
2	2	45	601.2638	WASHER	NAS1149F0432P	
37	37	44	601.1607	WASHER	NAS1149F0332P	
55	55	43	601.2764	WASHER	NAS1149FN832P	
10	10	42	601.2943	LOCKNUT	MS21042-3	
27	27	41	601.2973	LOCKNUT	MS21042-08	
2	2	40	601.2984	INSERT	NAS1835-08	
2602	2601	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	LAST PROTOTYPE REVISION: PR2		N/C
N/C	INITIAL RELEASE	10-27-09	P. BRAVO

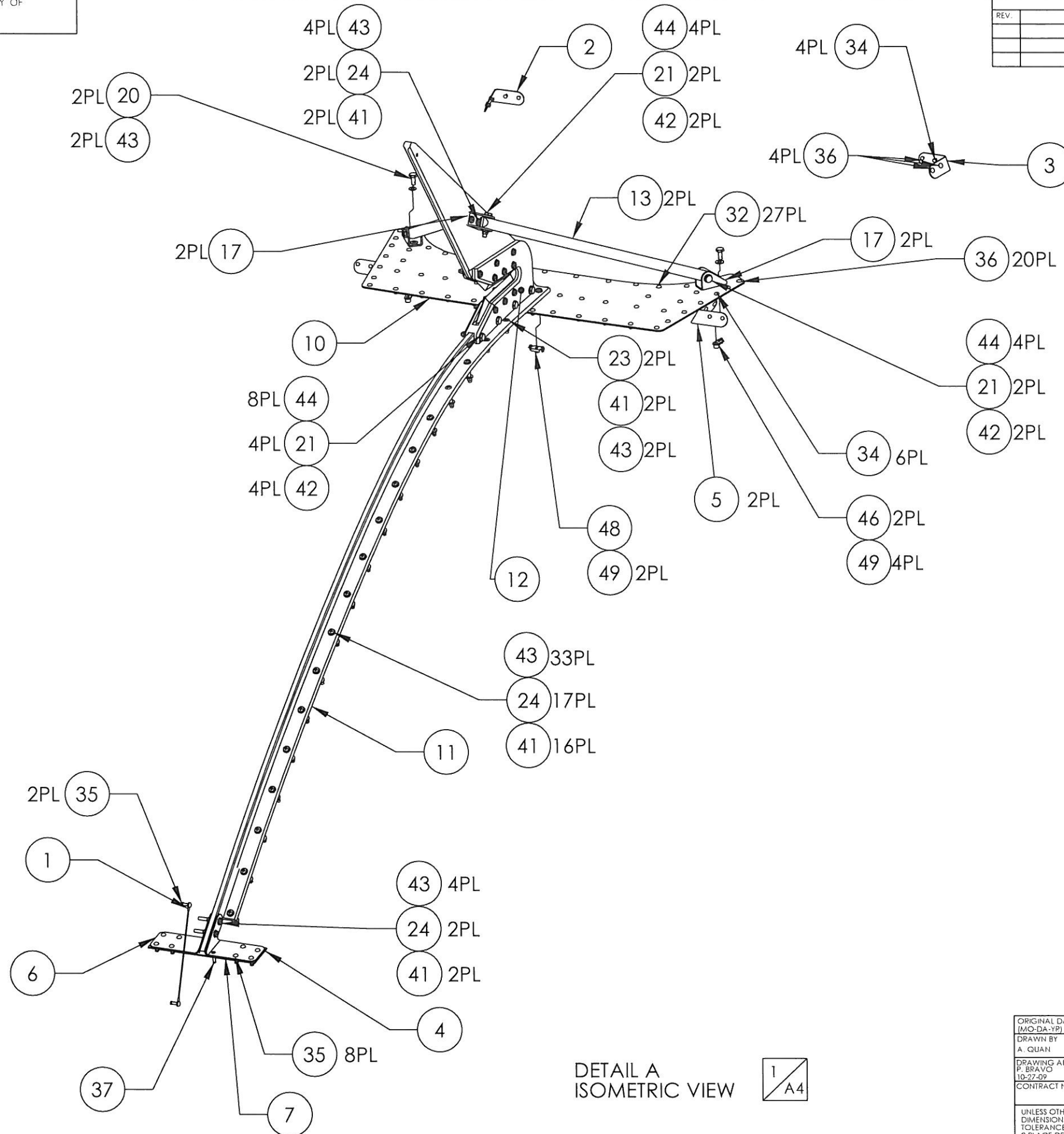
4	4	39	601.3112	HI-LOK COLLAR	HL70-5	
4	4	38	601.3113	HI-LOK PIN	HL19PB-5-14	
1	1	37	601.2983	RIVET	CR3212-5-4	
38	38	36	601.1039	RIVET	CR3213-4-2	
10	10	35	601.2991	RIVET	CR3213-4-6	
19	19	34	601.0790	RIVET	CR3213-4-3	
7	7	33	601.1915	RIVET	CR3213-4-4	
27	27	32	601.1183	RIVET	CR3213-4-5	
2	2	31	601.1339	RIVET	CR3212-4-6	
4	4	30	601.1065	RIVET	CR3212-4-3	
7	7	29	601.2979	RIVET	CR3213-4-1	
2	2	28	601.3114	SCREW	MS27039-1-06	
2	2	27	601.1621	SCREW	MS27039-1-08	
9	9	26	601.1953	SCREW	MS27039-0812	
1	1	25	601.1949	SCREW	MS27039-1-11	
26	26	24	601.2765	SCREW	MS27039-0819	
2	2	23	601.2535	SCREW	MS24694C9	
4	4	22	601.3069	SCREW	MS27039-1-09	
10	10	21	601.2826	BOLT	AN3-11A	
2	2	20	601.3118	BOLT	AN3-3	
	1	19	646.9602	LOWER CUTTER ASSY HIGH		
1		18	646.9603	LOWER CUTTER ASSY LOW		
6	6	17	647.0112	STRUT BRACKET		
1	1	16	647.0116	DOUBLER		
1	1	15	647.0210	RAIL		
1	1	14	647.0310	CHANNEL		
3	3	13	647.2010	STRUT		
1	1	12	647.4501	CUTTER ASSY		
1	1	11	647.4611	DEFLECTOR		
1	1	10	647.4711	DOUBLER		
1	1	9	647.4712	DOUBLER		
1	1	8	647.4713	BRACKET		
1	1	7	647.4714	CLIP LH		
1	1	6	647.4715	CLIP RH		
2	2	5	647.4719	CLIP FWD		
1	1	4	647.4716	SPACER		
1	1	3	647.4717	CLIP AFT LH		
1	1	2	647.4718	CLIP AFT RH		
1	1	1	647.3201	GROUNDING CABLE ASSY		
			647.2602	407 CABLE CUTTER KIT LOW		
			647.2601	407 CABLE CUTTER KIT HIGH		
2602	2601	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.

QTY		PARTS LIST			
NEXT ASSY (S)		ORIGINAL DATE (MO-DA-YR)	10-27-09	APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300 407 CABLE CUTTER KIT	
		DRAWN BY	CHECKER		
		A. QUAN	D. BARKER		
		DRAWING APPROVAL	P. BRAVO		
		10-27-09			
		CONTRACT No.			
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ± .03 3 PLACE DECIMALS ± .010 ANGLES ± .5°			
SIZE	B	CAGE CODE	07MZ6	DWG. NO.	647.2600
REV	N/C				
SCALE		NONE		SHEET 1 OF 3	

1 2 3 4 5 6 7 8

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



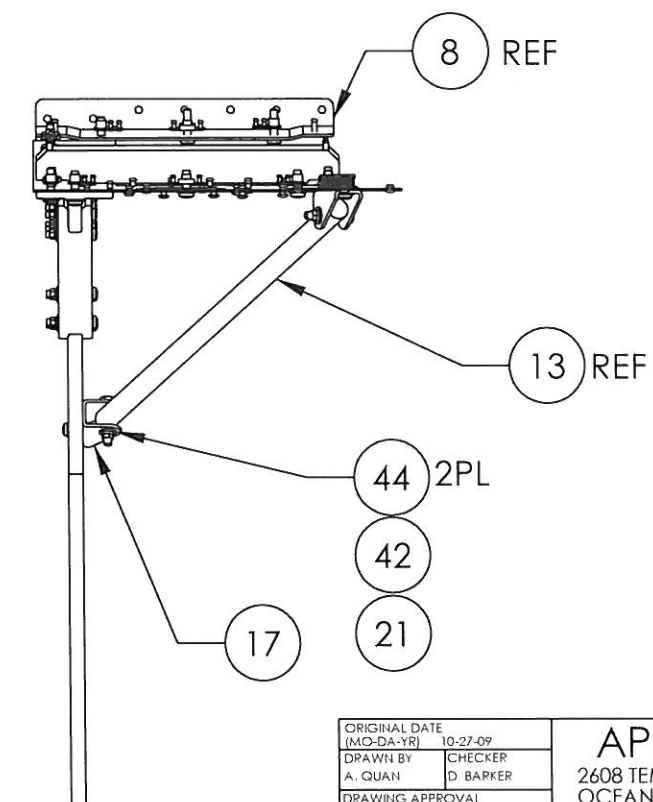
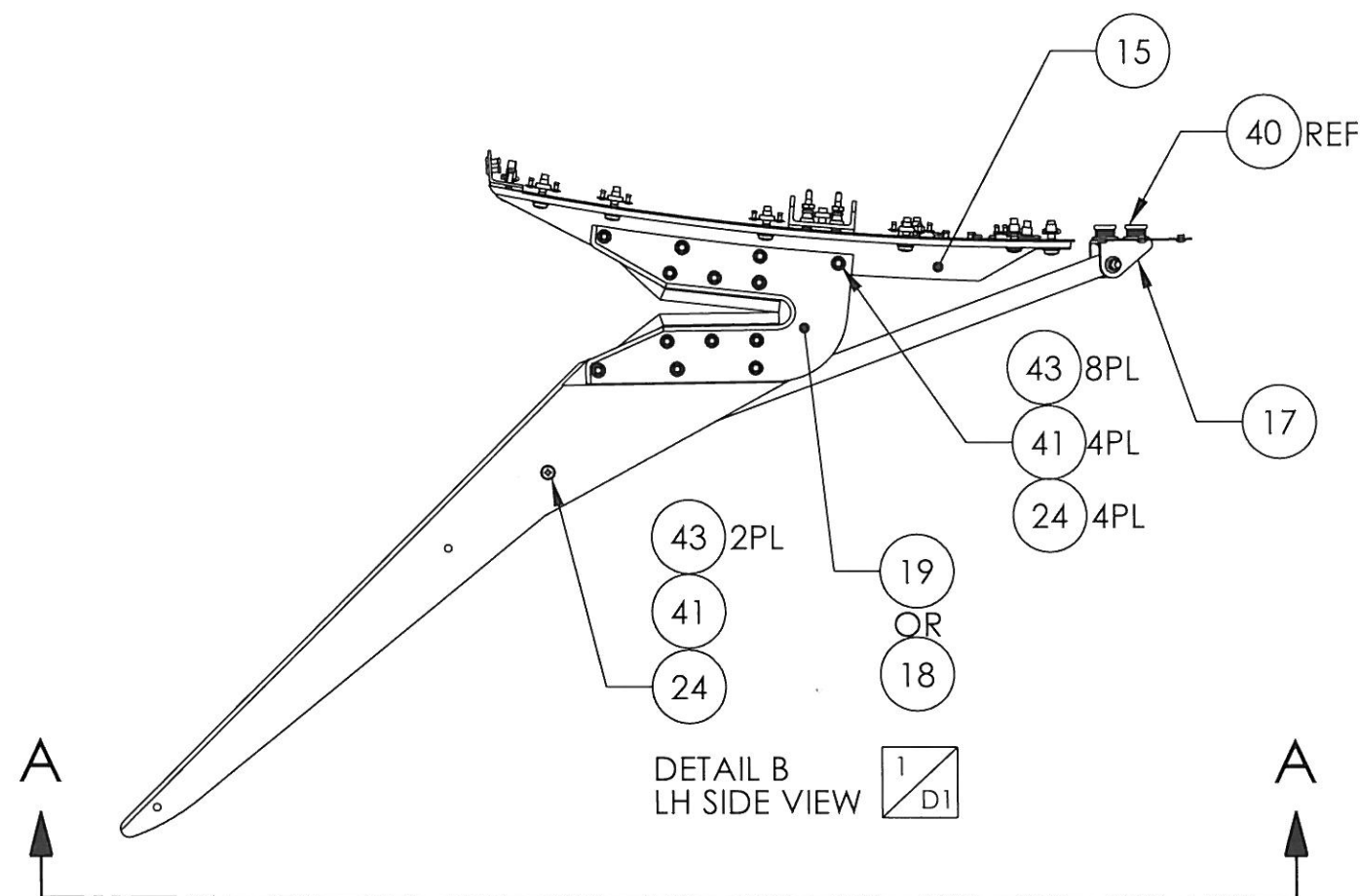
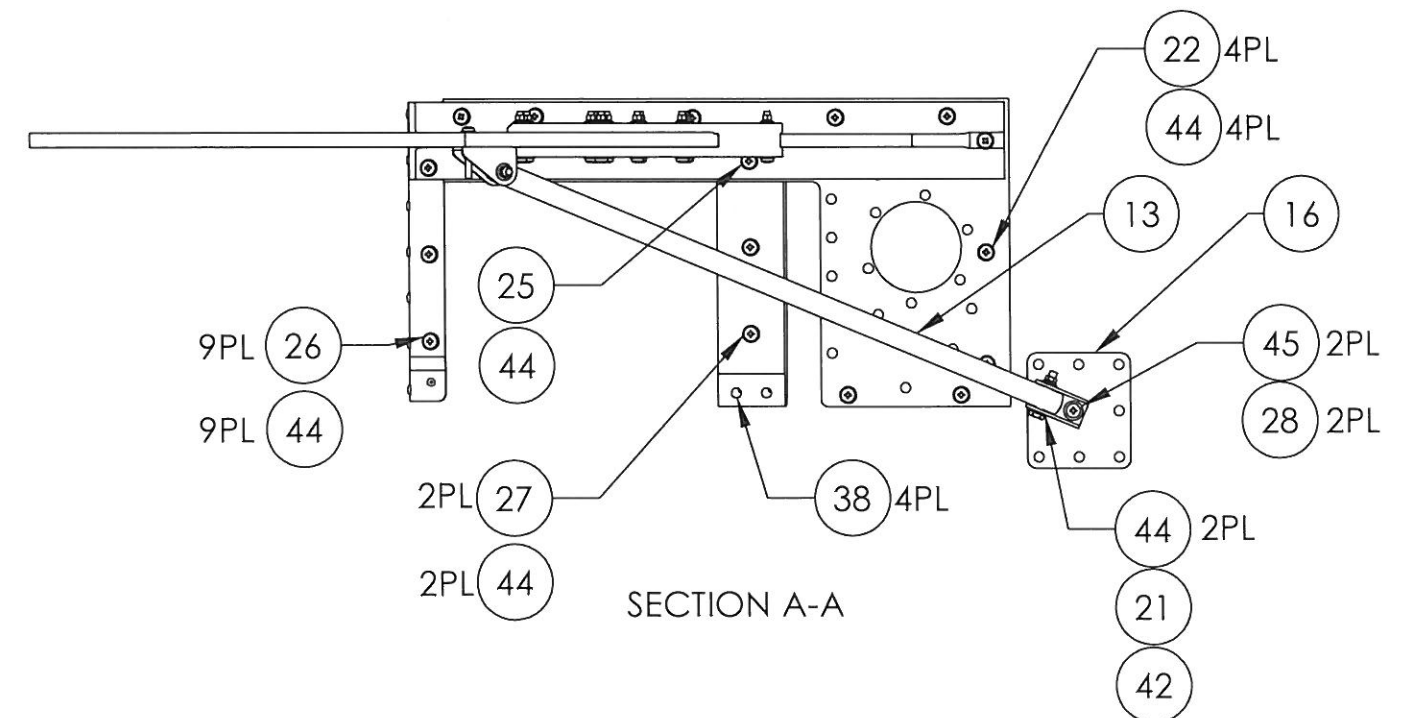
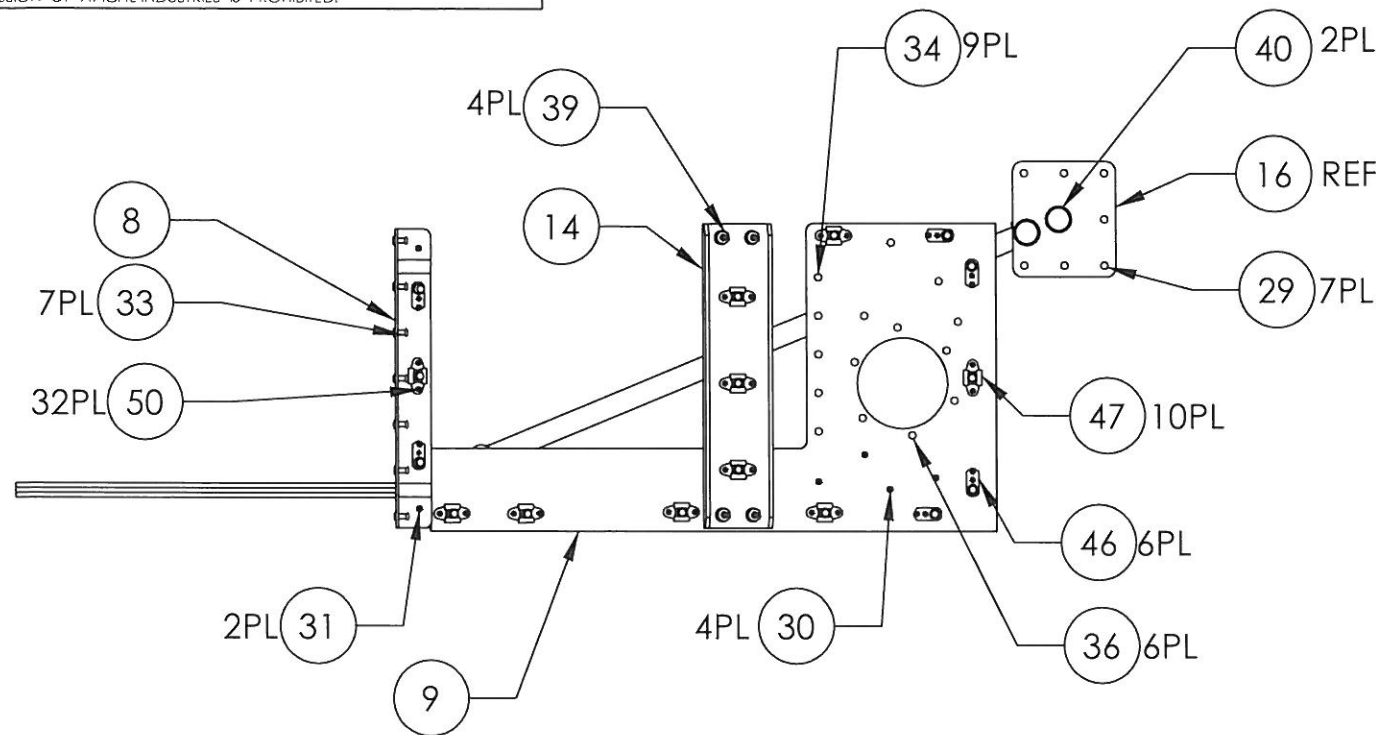
DETAIL A
ISOMETRIC VIEW



ORIGINAL DATE (MO-DA-YR) 10-27-09		APICAL INDUSTRIES	
DRAWN BY A. QUAN		2608 TEMPLE HEIGHTS DR.	
CHECKER D. BARKER		OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO		407 CABLE CUTTER KIT	
10-27-09			
CONTRACT No.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ± .03 3 PLACE DECIMALS ± .010 ANGLES ± .5°		SIZE B	REV N/C
		CAGE CODE 07MZ6	DWG. NO. 647.2600
		SCALE NONE	SHEET 2 OF 3

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



ORIGINAL DATE (MO-DA-YR) 10-27-09		APICAL INDUSTRIES	
DRAWN BY A. QUAN	CHECKER D. BARKER	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO 10-27-09		407 CABLE CUTTER KIT	
CONTRACT No.		SIZE B	REV N/C
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.03 3 PLACE DECIMALS ±.010 ANGLES ± 5°		CAGE CODE 07MZ6	DWG. NO. 647.2600
SCALE NONE		SHEET 3 OF 3	